

Site	COIs	Upland Sources	Active Pathways	Recontamination Potential	Land Use	Overwater Structures	Underriver/Obstructions	Source Control Status and Schedule
Shaver Transportation	In 1998 Shaver collected seven subsamples near the dock areas as a requirement for their dredging permit. The subsamples were combined into one composite sample. As for sample SD135, concentrations of a number of metals exceeded their respective Portland Harbor Baseline concentrations , but PAH concentrations were below Portland Harbor Baseline concentrations . Polychlorinated biphenyls (PCBs), which can be associated with used oil, also were detected at concentrations below Portland Harbor Baseline concentrations . Site located near OF #19	Former UST; maintenance shop; significant releases have not been identified.	Potential Overwater	Minimal from Upland	Industrial, Tugboat/Barge Company	Docks	Unknown	DEQ completed PA in 2002, and issued NFA in 2003. No contaminant sources identified at the site.
Advanced Amercian (Marine Finance)	PAHs (BaP), lead, copper were COPCs; The copper and zinc concentrations in one sampling event marginally exceed their ecological screening criteria by a factor of 2 or less. A number of PAH detection limits and detected concentrations exceed their respective screening criteria by less than a factor of 10. BaP, the primary PAH of concern for the source control evaluation was not detected. Total petroleum hydrocarbons as gasoline, diesel, and lube oil were either not detected, or were detected at less than 1 milligram per liter (mg/L). The PAH and TPH results appear consistent with runoff from the newly installed asphalt pavement that covers a majority of the site. The relatively low-level exceedences of copper and zinc in one storm water sample do not warrant further investigation or evaluation.	Marine Construction activities, welding, petroleum product storage	Potential Overwater	Minimal from Upland	Industrial, Marine construction	Docks	Unknown	SCD issued by DEQ in 2008.
Sulzer Pump	Aluminum, cadmium, chromium, copper, lead, zinc, PAHs, phthalates, PCBs; (no PCBs detected in storm water samples to date; in-line solids have not been analyzed for PCBs). Majority of PAH detections limited to 1 of 3 events(27 total samples). All PAH concentrations <10X SLV. Phthalates rarely detected (<10X SLV); metals commonly exceed SLVs; 1/20 Cadmium, 5/27 copper, 6/27 lead, 2/20 manganese, 4/27 zinc exceed SLVs >10X	Heavy industrial fabrication, metal production and finishing, painting, heating oil USTs	Slag in Riverbank has been sampled and contains elevated Cr, Cu and Ni; GW pathway not fully evaluated; direct push samples had PAHs 5X SLV. No MW samples.	Low to moderate pending completion of GW and storm water evaluation.	Heavy Industrial; pump manufacturer	Dilapidated dock	possible pilings, dock structures	Lagging in completion of source control sampling reporting and completion of SCE. Three storm water sampling events completed.
BES WPCL	PCBs, metals, PAHs; PCBs up to 100s ppm prior to removal.	Black Sand fill (removed); PCB release from pipeline (remediated)	Infrequent contribution to OF 50 when drainage swale fills.	Minimal from Upland	Industrial; Offices and analytical laboratory	Former pilings prior to site development		Draft Source Control Decision internal review.

- 1) What are the upland COIs? What are the general levels of the most significant upland contamination relative to JSCS SLVs (10x, 100x, 1000x, etc)?
- 2) What are the upland sources (e.g., tank release, facility operations, etc)?
- 3) What are the current or reasonably likely future contaminant migration pathways linking the uplands to the river (e.g., GW, stormwater, bank erosion, etc)?
- 4) What's the relative recontamination potential of upland sources? i.e., if an effective source control measure is **not** implemented for a complete contaminant migration pathway (e.g., GW plume), will that pathway likely result the recontamination of a future in-river remedy (e.g., cap)?
- 5) What's the current & anticipated future land use of the facility & sites surrounding the facility?
- 6) Are there active over-water structures (e.g., docks, wharfs), & is it anticipated these structures will be used in the future?
- 7) Are there any under-river utility crossings in the area? Are there any subsurface sediment obstructions (e.g., buried ships, hard pan, shallow bedrock, etc)?
- 8) What is the general schedule for completing the phase(s) of source control?